

## **STIC Biotechnology Systems Branch**

### **RAW SEQUENCE LISTING** **ERROR REPORT**

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/594,418  
Source: FWP  
Date Processed by STIC: 10/10/06

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

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- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE **CHECKER VERSION 4.4.0 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

**<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>**

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05):  
U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314

Revised 01/10/06



IFWP

## RAW SEQUENCE LISTING

DATE: 10/10/2006

PATENT APPLICATION: US/10/594,418

TIME: 15:00:53

Input Set : A:\123-03 WO.ST25.txt

Output Set: N:\CRF4\10102006\J594418.raw

3 <110> APPLICANT: Hexima Limited  
 4 Poon, Simon  
 5 Heath, Robyn L.  
 6 Clarke, Adrienne E.  
 8 <120> TITLE OF INVENTION: Arabinogalactan Protein Compositions and Methods  
 for Fostering  
 9 Somatic Embryogenic Competence  
 11 <130> FILE REFERENCE: 123-03 WO  
 C--> 13 <140> CURRENT APPLICATION NUMBER: US/10/594,418  
 C--> 14 <141> CURRENT FILING DATE: 2006-09-26  
 16 <150> PRIOR APPLICATION NUMBER: US 60/558,609  
 17 <151> PRIOR FILING DATE: 2004-03-31  
 19 <160> NUMBER OF SEQ ID NOS: 27  
 21 <170> SOFTWARE: PatentIn version 3.2  
 23 <210> SEQ ID NO: 1  
 24 <211> LENGTH: 15  
 25 <212> TYPE: PRT  
 26 <213> ORGANISM: Artificial sequence  
 28 <220> FEATURE:  
 29 <223> OTHER INFORMATION: Synthetic peptide  
 32 <220> FEATURE:  
 33 <221> NAME/KEY: UNSURE  
 34 <222> LOCATION: (5)..(6)  
 35 <223> OTHER INFORMATION: X is any amino acid.  
 37 <220> FEATURE:  
 38 <221> NAME/KEY: misc\_feature  
 39 <222> LOCATION: (5)..(6)  
 40 <223> OTHER INFORMATION: Xaa can be any naturally occurring amino acid  
 42 <400> SEQUENCE: 1  
 W--> 44 Glu Asp Tyr Ser Xaa Xaa Thr Ser Asn Pro Ile Ala Glu Tyr Lys  
 45 1 5 10 15  
 48 <210> SEQ ID NO: 2  
 49 <211> LENGTH: 8  
 50 <212> TYPE: PRT  
 51 <213> ORGANISM: Artificial sequence  
 53 <220> FEATURE:  
 54 <223> OTHER INFORMATION: Synthetic peptide  
 56 <400> SEQUENCE: 2  
 58 Ile Gln Ile Gly Asp Ser Leu Val  
 59 1 5  
 62 <210> SEQ ID NO: 3  
 63 <211> LENGTH: 11  
 64 <212> TYPE: PRT  
 65 <213> ORGANISM: Artificial sequence

*see pg 2-4, 6*

**Does Not Comply  
Corrected Diskette Needed**

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/594,418

DATE: 10/10/2006

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Input Set : A:\123-03 WO.ST25.txt

Output Set: N:\CRF4\10102006\J594418.raw

67 <220> FEATURE:  
 68 <223> OTHER INFORMATION: Synthetic peptide  
 70 <400> SEQUENCE: 3  
 72 Ser Thr Ala Ser Leu Gly Val Thr Leu Ser Val  
 73 1 5 10  
 76 <210> SEQ ID NO: 4  
 77 <211> LENGTH: 13  
 78 <212> TYPE: PRT *Artificial*  
 C--> 79 <213> ORGANISM: Artificial sequence *→ see p. 6 for error explanation*  
 W--> 81 <220> FEATURE:  
 W--> 81 <223> OTHER INFORMATION:  
 W--> 81 <400> 4  
 83 Ala Gly Thr Leu Arg Pro Glu Lys Pro Phe Thr Ala Asn  
 84 1 5 10  
 87 <210> SEQ ID NO: 5  
 88 <211> LENGTH: 16  
 89 <212> TYPE: PRT  
 90 <213> ORGANISM: Artificial sequence  
 92 <220> FEATURE:  
 93 <223> OTHER INFORMATION: Synthetic peptide  
 95 <400> SEQUENCE: 5  
 97 Asp Gly Trp Val Val Ser Pro Ser Glu Asn Tyr Asn His Trp Ala Glu  
 98 1 5 10 15  
 101 <210> SEQ ID NO: 6  
 102 <211> LENGTH: 9  
 103 <212> TYPE: PRT  
 104 <213> ORGANISM: Artificial sequence  
 106 <220> FEATURE:  
 107 <223> OTHER INFORMATION: Synthetic peptide  
 110 <220> FEATURE:  
 111 <221> NAME/KEY: UNSURE  
 112 <222> LOCATION: (4)..(8)  
 113 <223> OTHER INFORMATION: X is any amino acid.  
 115 <220> FEATURE:  
 116 <221> NAME/KEY: misc\_feature  
 117 <222> LOCATION: (4)..(4)  
 118 <223> OTHER INFORMATION: Xaa can be any naturally occurring amino acid  
 120 <220> FEATURE:  
 121 <221> NAME/KEY: misc\_feature  
 122 <222> LOCATION: (8)..(8)  
 123 <223> OTHER INFORMATION: Xaa can be any naturally occurring amino acid  
 125 <400> SEQUENCE: 6  
 W--> 127 Ile Gln Val Xaa Asp Glu Val Xaa Glu  
 128 1 5  
 131 <210> SEQ ID NO: 7  
 132 <211> LENGTH: 13  
 133 <212> TYPE: PRT  
 134 <213> ORGANISM: Artificial sequence  
 136 <220> FEATURE:

## RAW SEQUENCE LISTING

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Input Set : A:\123-03 WO.ST25.txt

Output Set: N:\CRF4\10102006\J594418.raw

137 <223> OTHER INFORMATION: Synthetic peptide  
 139 <400> SEQUENCE: 7  
 141 Tyr Ala Gly Asp Thr Ile Thr Gly Asn Thr Asp Asn Ser  
 142 1 5 10  
 145 <210> SEQ ID NO: 8  
 146 <211> LENGTH: 20  
 147 <212> TYPE: DNA  
 148 <213> ORGANISM: Artificial sequence  
 150 <220> FEATURE:  
 151 <223> OTHER INFORMATION: Synthetic primer  
 154 <220> FEATURE:  
 155 <221> NAME/KEY: variation  
 156 <222> LOCATION: (1)..(16) (18) last try location  
 157 <223> OTHER INFORMATION: Y is C or T; I is inosine; R is A or G.  
 159 <220> FEATURE:  
 160 <221> NAME/KEY: variation  
 161 <222> LOCATION: (1)..(20)  
 162 <223> OTHER INFORMATION: Y is C or T; I is inosine; R is A or G; N is  
 inosine.  
 164 <220> FEATURE:  
 165 <221> NAME/KEY: misc\_feature  
 166 <222> LOCATION: (6)..(6)  
 167 <223> OTHER INFORMATION: n is a, c, g, or t  
 169 <220> FEATURE:  
 170 <221> NAME/KEY: misc\_feature  
 171 <222> LOCATION: (9)..(9)  
 172 <223> OTHER INFORMATION: n is a, c, g, or t  
 174 <220> FEATURE:  
 175 <221> NAME/KEY: misc\_feature  
 176 <222> LOCATION: (12)..(12)  
 177 <223> OTHER INFORMATION: n is a, c, g, or t  
 179 <400> SEQUENCE: 8  
 W--> 180 aayccnatng cngartayaa 20  
 183 <210> SEQ ID NO: 9  
 184 <211> LENGTH: 20  
 185 <212> TYPE: DNA  
 186 <213> ORGANISM: Artificial sequence  
 188 <220> FEATURE:  
 189 <223> OTHER INFORMATION: Synthetic primer  
 192 <220> FEATURE:  
 193 <221> NAME/KEY: variation  
 194 <222> LOCATION: (1)..(20)  
 195 <223> OTHER INFORMATION: Y is C or T; N is inosine.  
 197 <220> FEATURE:  
 198 <221> NAME/KEY: misc\_feature  
 199 <222> LOCATION: (18)..(18)  
 200 <223> OTHER INFORMATION: n is a, c, g, or t  
 202 <400> SEQUENCE: 9  
 W--> 203 aaytayaayc attgggcnga 20  
 206 <210> SEQ ID NO: 10

"I" is not permitted in the  
 sequence (use "N" instead,  
 and explain in  
 <220>-<223>  
 section)

delete

delete

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/594,418

DATE: 10/10/2006

TIME: 15:00:53

Input Set : A:\123-03 WO.ST25.txt

Output Set: N:\CRF4\10102006\J594418.raw

207 <211> LENGTH: 23  
 208 <212> TYPE: DNA  
 209 <213> ORGANISM: Artificial sequence  
 211 <220> FEATURE:  
 212 <223> OTHER INFORMATION: Synthetic peptide  
 215 <220> FEATURE:  
 216 <221> NAME/KEY: variation  
 217 <222> LOCATION: (1)..(23)  
 218 <223> OTHER INFORMATION: N is inosine; R is A or G; Y is C or T.  
 220 <220> FEATURE:  
 221 <221> NAME/KEY: misc\_feature  
 222 <222> LOCATION: (3)..(3)  
 223 <223> OTHER INFORMATION: n is a, c, g, or t  
 225 <220> FEATURE:  
 226 <221> NAME/KEY: misc\_feature  
 227 <222> LOCATION: (12)..(12)  
 228 <223> OTHER INFORMATION: n is a, c, g, or t  
 230 <220> FEATURE:  
 231 <221> NAME/KEY: misc\_feature  
 232 <222> LOCATION: (18)..(18)  
 233 <223> OTHER INFORMATION: n is a, c, g, or t  
 235 <220> FEATURE:  
 236 <221> NAME/KEY: misc\_feature  
 237 <222> LOCATION: (21)..(21)  
 238 <223> OTHER INFORMATION: n is a, c, g, or t  
 240 <400> SEQUENCE: 10

W--&gt; 241 ccncaraarc cnttyacngc naa

23

244 <210> SEQ ID NO: 11  
 245 <211> LENGTH: 84  
 246 <212> TYPE: DNA  
 247 <213> ORGANISM: Artificial sequence  
 249 <220> FEATURE:  
 250 <223> OTHER INFORMATION: GhPRP1 partial nucleotide sequence.  
 252 <400> SEQUENCE: 11  
 253 cccagaagc ctttactgc gaacaagctt ccgtttattc tctacaccgt tgggccattt  
 255 gctttcgaac ccaaagctga ctac  
 258 <210> SEQ ID NO: 12  
 259 <211> LENGTH: 27  
 260 <212> TYPE: PRT  
 261 <213> ORGANISM: Artificial sequence  
 263 <220> FEATURE:  
 264 <223> OTHER INFORMATION: GhPRP1 partial amino acid sequence.  
 266 <400> SEQUENCE: 12  
 268 Pro Glu Lys Pro Phe Thr Ala Asn Lys Leu Pro Phe Ile Leu Tyr Thr  
 269 1 5 10 15  
 272 Val Gly Pro Phe Ala Phe Glu Pro Lys Cys Tyr  
 273 20 25  
 276 <210> SEQ ID NO: 13  
 277 <211> LENGTH: 22

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84

## RAW SEQUENCE LISTING

DATE: 10/10/2006

PATENT APPLICATION: US/10/594,418

TIME: 15:00:53

Input Set : A:\123-03 WO.ST25.txt

Output Set: N:\CRF4\10102006\J594418.raw

```

278 <212> TYPE: DNA
279 <213> ORGANISM: Artificial sequence
281 <220> FEATURE:
282 <223> OTHER INFORMATION: Synthetic primer
284 <400> SEQUENCE: 13
285 gctattttcta tagcaactca ac                                     22
288 <210> SEQ ID NO: 14
289 <211> LENGTH: 24
290 <212> TYPE: DNA
291 <213> ORGANISM: Artificial sequence
293 <220> FEATURE:
294 <223> OTHER INFORMATION: Synthetic primer
296 <400> SEQUENCE: 14
297 caaactcaaa acaaccccaa aacc                                     24
300 <210> SEQ ID NO: 15
301 <211> LENGTH: 22
302 <212> TYPE: DNA
303 <213> ORGANISM: Artificial sequence
305 <220> FEATURE:
306 <223> OTHER INFORMATION: Synthetic primer
308 <400> SEQUENCE: 15
309 gatgaaagca aggcacacac ac                                     22
312 <210> SEQ ID NO: 16
313 <211> LENGTH: 20
314 <212> TYPE: DNA
315 <213> ORGANISM: Artificial sequence
317 <220> FEATURE:
318 <223> OTHER INFORMATION: Synthetic primer
320 <400> SEQUENCE: 16
321 ccccttaata attcagcacc                                     20
324 <210> SEQ ID NO: 17
325 <211> LENGTH: 528
326 <212> TYPE: DNA
327 <213> ORGANISM: Cotton
329 <400> SEQUENCE: 17
330 atggctgcta aagctttttc aagaagtata actcctttgg tgcttttggt catattttta      60
332 agctttgcac aaggtaaaga aatcatgggt ggtggcaaaa caggcgcttg gaagatacct      120
334 tcttctgaat cagattctct caacaaatgg gctgaaaaag ctcgtttcca aatcggcgac      180
336 tctctcgtgt ggaaatatga tgggtggtaa gactcgggtg tccaagtgag taaggaggat      240
338 tatacaagtt gcaatacgtc gaacccgatt gccgagtaca aagatgggaa caccaagggt      300
340 aagcttgaaa agtcaggacc atatttcttc atgagtggag caaagggcca ctgagagcaa      360
342 ggccagaaga tgattgtggt tgtgatgtct caaaagcata ggtacattgg aatctctcca      420
344 gcaccttcgc cggttgattt tgaaggtccg gccgttgctc caacaagcgg agttgcaggg      480
346 ttgaaggctg gtttggtggt gacagtgggg gttttggggg tgttttga      528
349 <210> SEQ ID NO: 18
350 <211> LENGTH: 175
351 <212> TYPE: PRT
352 <213> ORGANISM: Cotton
354 <400> SEQUENCE: 18

```

RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/10/594,418

DATE: 10/10/2006  
TIME: 15:00:54

Input Set : A:\123-03 WO.ST25.txt  
Output Set: N:\CRF4\10102006\J594418.raw

*FyI*

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; Xaa Pos. ~~5,6~~  
Seq#:6; Xaa Pos. ~~4,8~~  
Seq#:8; N Pos. ~~6,9,12~~  
Seq#:9; N Pos. ~~18~~  
Seq#:10; N Pos. ~~3,12,18,21~~

Use of <220> Feature (NEW RULES):

*error explanation*

Sequence(s) are missing the <220> Feature and associated headings.

Use of <220> to <223> is MANDATORY if <213> ORGANISM is "Artificial Sequence" or "Unknown". Please explain source of genetic material in <220> to <223> section (See "Federal Register," 6/01/98, Vol. 63, No. 104, pp.29631-32) (Sec.1.823 of new Rules)

Seq#:4

**VERIFICATION SUMMARY**

PATENT APPLICATION: US/10/594,418

DATE: 10/10/2006

TIME: 15:00:54

Input Set : A:\123-03 WO.ST25.txt

Output Set: N:\CRF4\10102006\J594418.raw

L:13 M:270 C: Current Application Number differs, Replaced Current Application Number  
L:14 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:44 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0  
L:79 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:4  
L:81 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:4, <213> ORGANISM:Artificial Sequence  
L:81 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:4, <213> ORGANISM:Artificial Sequence  
L:81 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:4,Line#:81  
L:127 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:0  
L:180 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:0  
L:203 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:0  
L:241 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10 after pos.:0